

**ANCHORAGE FORUM ON
DISPROPORTIONATE MINORITY
CONTACT (DMC)
WITH THE JUVENILE JUSTICE
SYSTEM**



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Disproportionate Minority Contact in Anchorage

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<http://justice.uaa.alaska.edu>



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RESEARCH PARTNERS

Alaska Division of Juvenile Justice

Alaska Native Justice Center

Anchorage Police Department

Anchorage School District



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RESEARCH PLAN

Disparities in Referrals to DJJ:

Quantitative Analysis

Qualitative Analysis

Disparities within DJJ:

Quantitative Analysis

Qualitative Analysis

SPECIAL THANKS

Division of Juvenile Justice:

Patty Ware, Susan McDonough, Karen Forrest,
Barb Murray, Barbara Henjum, Jerry Bailey,
Linda Moffitt, and Rob Wood

UAA Justice Center:

Alan McKelvie and Robert Langworthy

Anchorage DMC Workgroup



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RESEARCH GOALS

To narrow the scope of DMC:

By race

By gender

By referral type

By geography

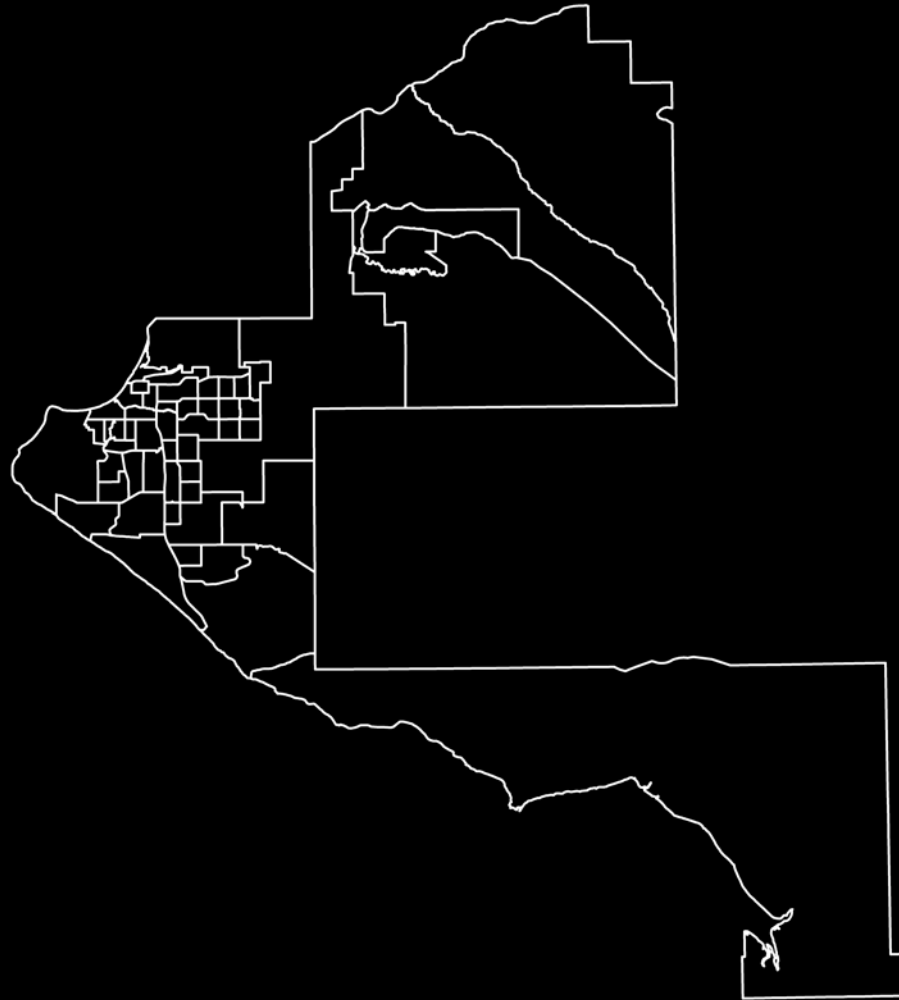


SAMPLE

**1,936 juveniles referred to DJJ:
in Anchorage
for new crimes, probation or conduct violations
in fiscal year 2005
with a known and valid address in Anchorage
with known demographic characteristics**



GEOGRAPHIC DATA



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JUVENILE JUSTICE DATA

- **Race:**

- White / Caucasian
- Black / African American
- Native Alaskan / American Indian
- Asian
- Native Hawaiian / Pacific Islander
- Other
- Two or more races

- **Referral type:**

- New crime
- Probation / conduct violation

- **Gender:**

- Male
- Female

- **Address at time of referral**

CENSUS DATA

- **Race:**

- White
- Black or African American
- American Indian and Alaska Native
- Asian
- Native Hawaiian and Other Pacific Islander
- Some other race
- Two or more races

- **Gender:**

- Male
- Female

- **Age: 10 to 17**

DISPROPORTIONATE MINORITY CONTACT

Occurs when:

The rate of referral for minority youth exceeds the rate of referral for White youth.



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RELATIVE RATE INDEX (RRI)

$$\text{RRI} = \frac{\text{Minority Rate of Referral}}{\text{White Rate of Referral}}$$

RRI < 1: Minority Rate < White Rate

RRI = 1: Minority Rate = White Rate

RRI > 1: Minority Rate > White Rate

Example: RRI = 2; Minority rate is two times higher than White rate

RELATIVE RATE INDICES

- **By Racial Group**
- **By Racial and Gender Group**
- **By Racial Group and Referral Type**
- **By Racial Group, Gender Group, and Referral Type**

RRI BY RACE

Race	Referrals			Population			Rate	RRI
	N		%	N		%		
White	752		38.8 %	22308		65.7 %	33.7	- - -
Black	273		14.1	2277		6.7	119.9	3.56
Native	362		18.7	2808		8.3	128.9	3.83
Asian	121		6.3	2041		6.0	59.3	1.76
Pacific	81		4.2	487		1.4	166.3	4.94
Other minority	77		4.0	817		2.4	94.2	2.80
Multiracial	270		13.9	3233		9.5	83.5	2.48

RRI BY RACE AND GENDER

Race	Male	Female
All Minority	2.96	3.27
Black	3.68	3.37
Native	3.49	4.87
Asian	2.14	0.92
Pacific	5.14	4.27
Other minority	2.40	3.93
Multiracial	2.31	2.99

RRI BY RACE AND REFERRAL TYPE

Race	New Crime	P/C Violation
All Minority	2.73	4.79
Black	3.25	5.52
Native	3.43	6.32
Asian	1.52	3.29
Pacific	4.66	6.67
Other minority	2.78	2.92
Multiracial	2.22	4.09

RRI BY RACE, GENDER, AND REFERRAL TYPE

Race	Male		Female	
	Crime	Violation	Crime	Violation
All Minority	2.70	4.20	2.90	15.80
Black	3.34	3.14	5.28	11.14
Native	3.28	3.87	4.43	38.15
Asian	1.85	0.89	3.50	1.76
Pacific	4.74	4.39	6.99	0.00
Other minority	2.28	3.92	2.93	4.37
Multiracial	2.03	2.68	3.57	13.47

CONCLUSIONS

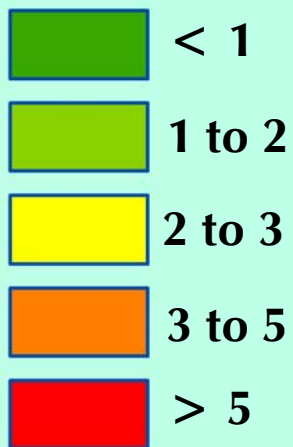
- **DMC occurs for almost everyone...**
- **More prevalent for Pacific, Native, and Black youth, both males and females.**
- **More prevalent for referrals for probation / conduct violations, especially for females.**

RRI BY CENSUS TRACT

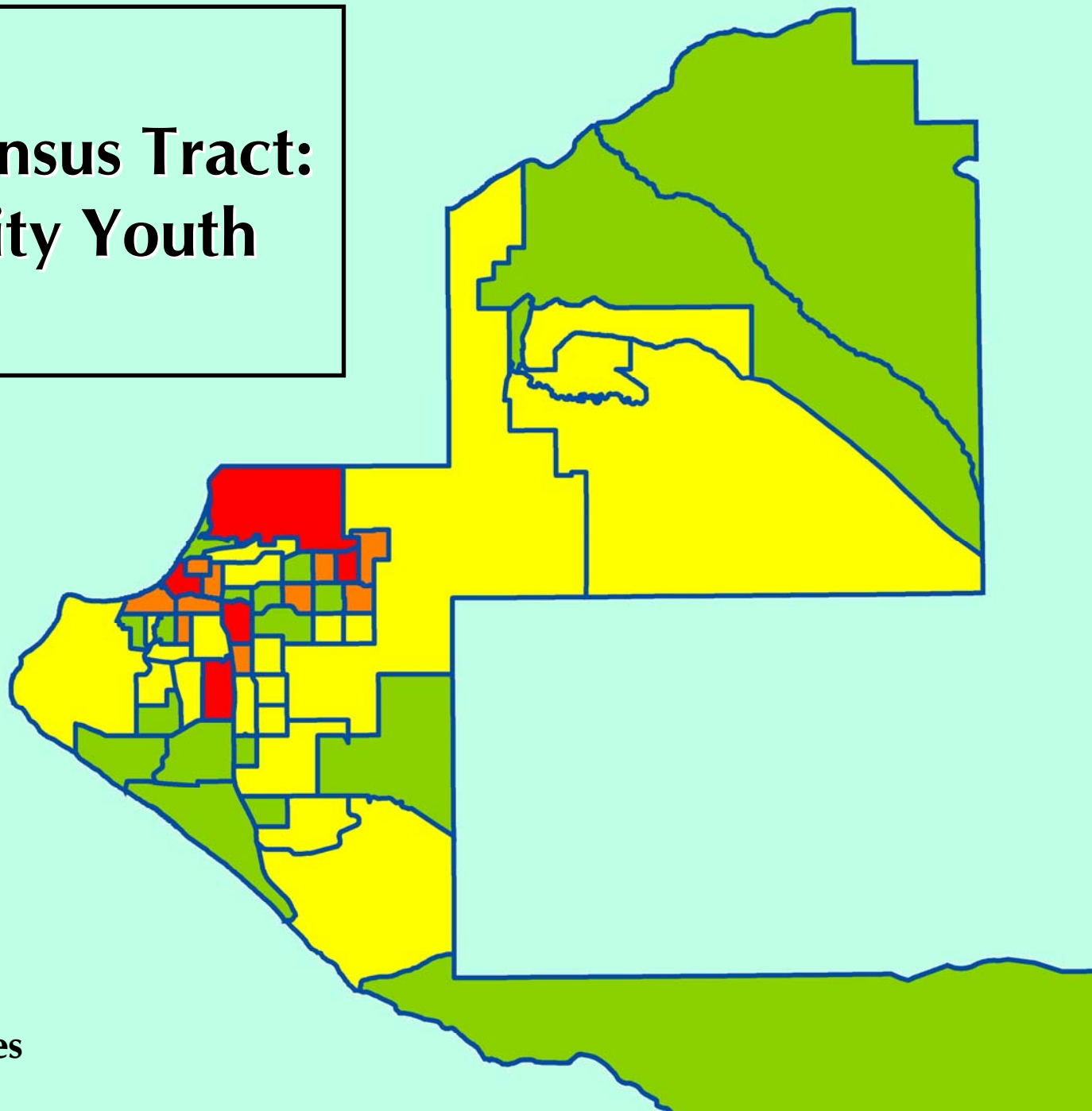
- **By Racial Group**
- **By Racial and Gender Group**
- **By Racial Group and Referral Type**
- **By Racial Group, Gender Group, and Referral Type**

DMC by Census Tract: All Minority Youth

Relative Rate Index

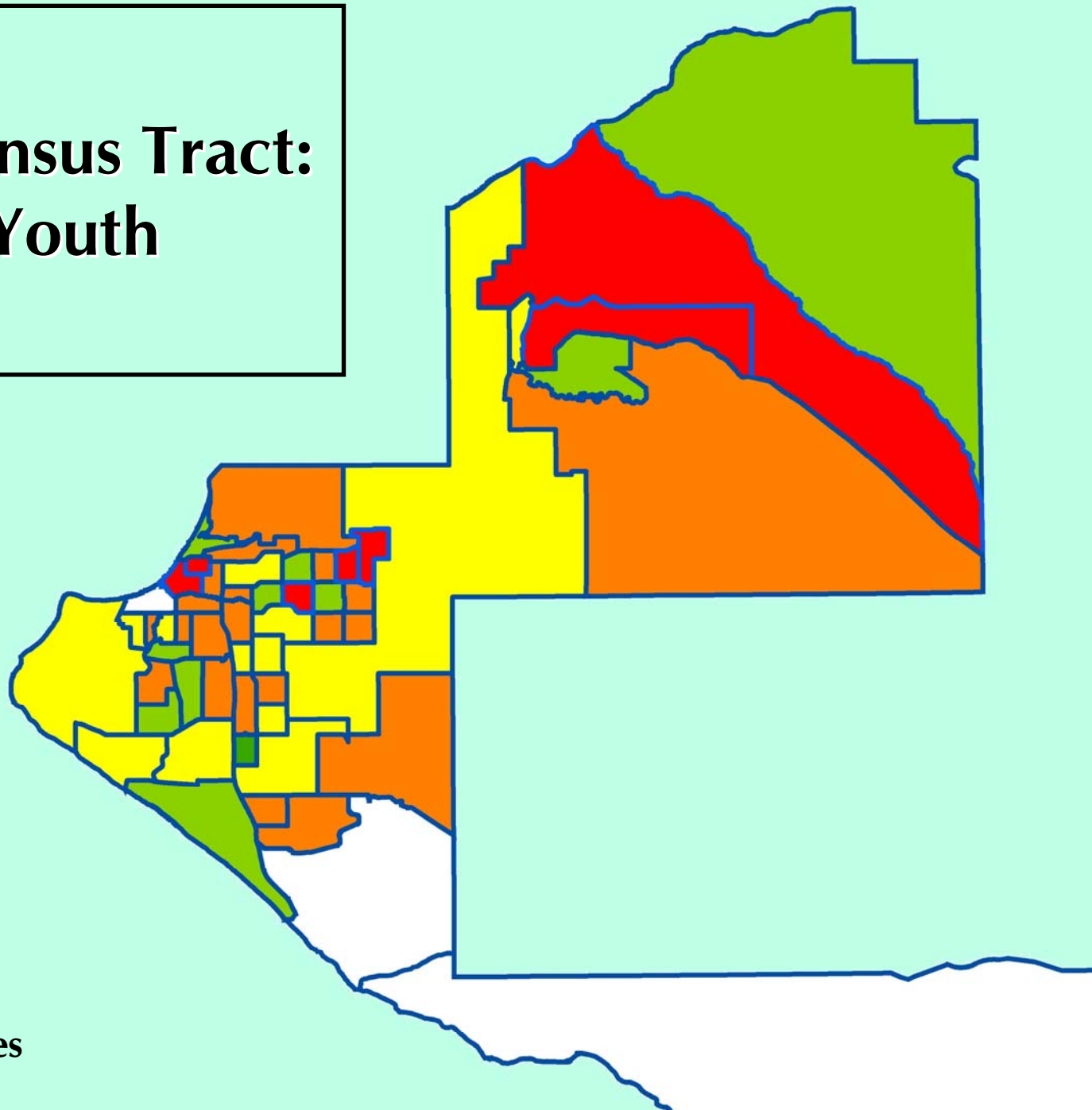
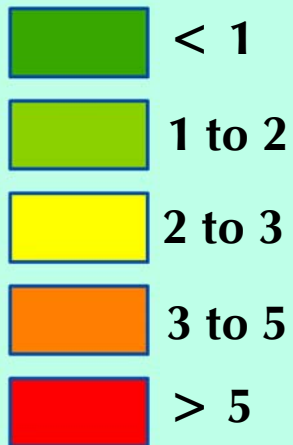


0 3 6 Miles



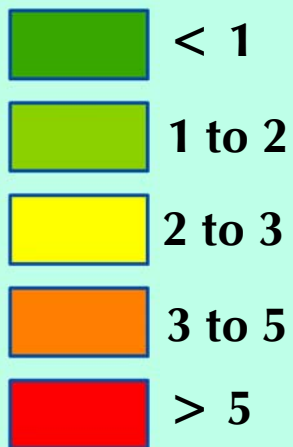
DMC by Census Tract: Black Youth

Relative Rate Index

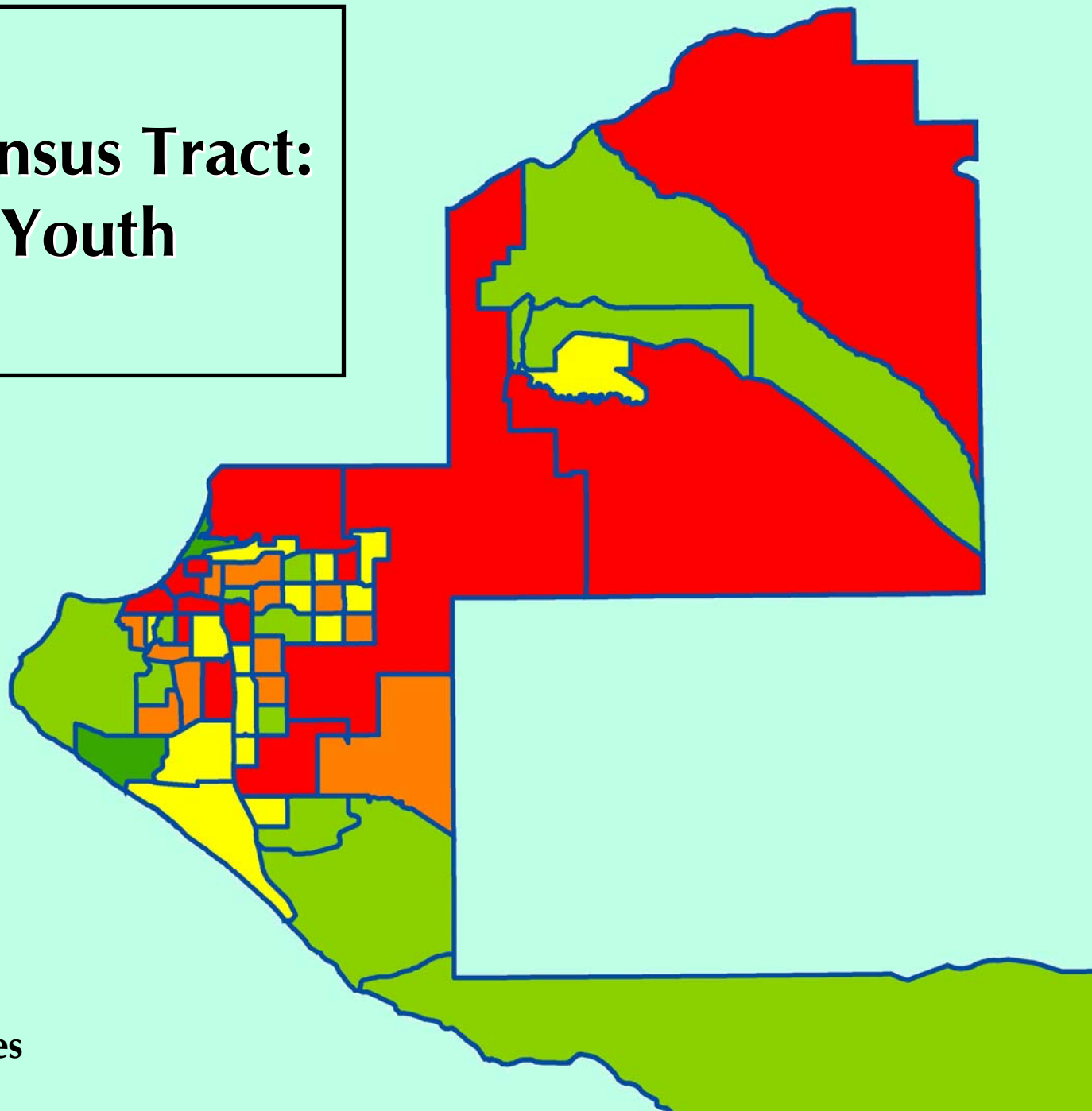


DMC by Census Tract: Native Youth

Relative Rate Index

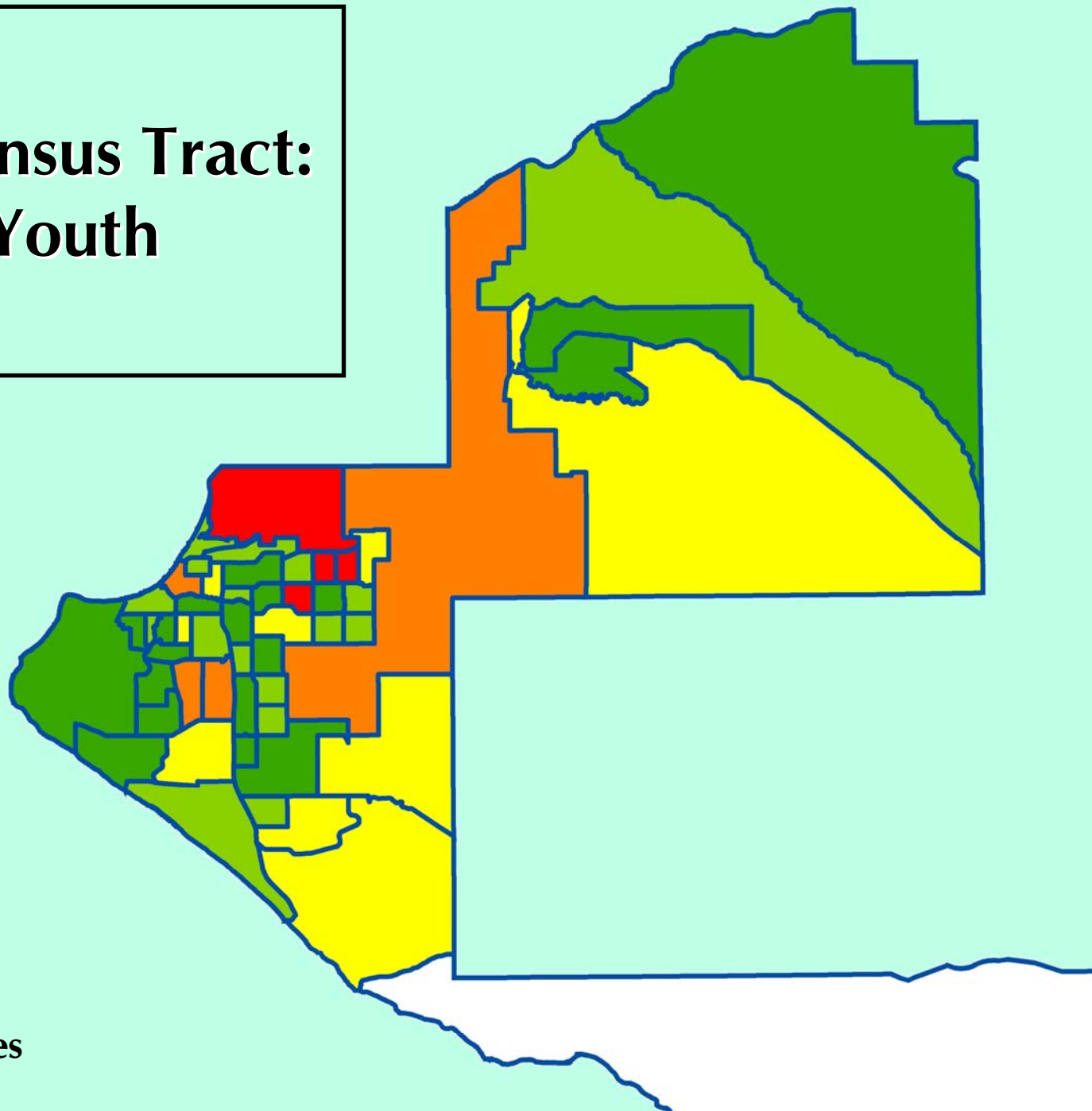
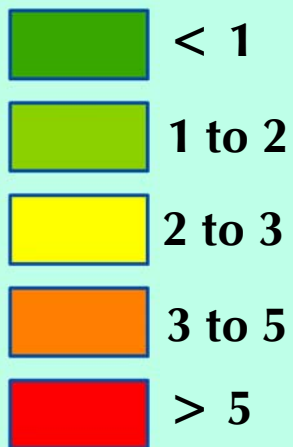


0 3 6 Miles



DMC by Census Tract: Asian Youth

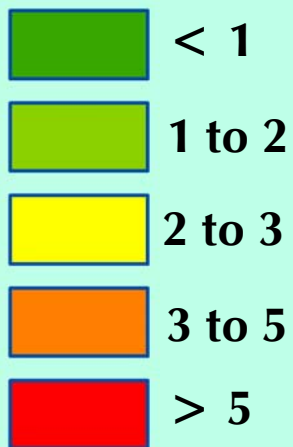
Relative Rate Index



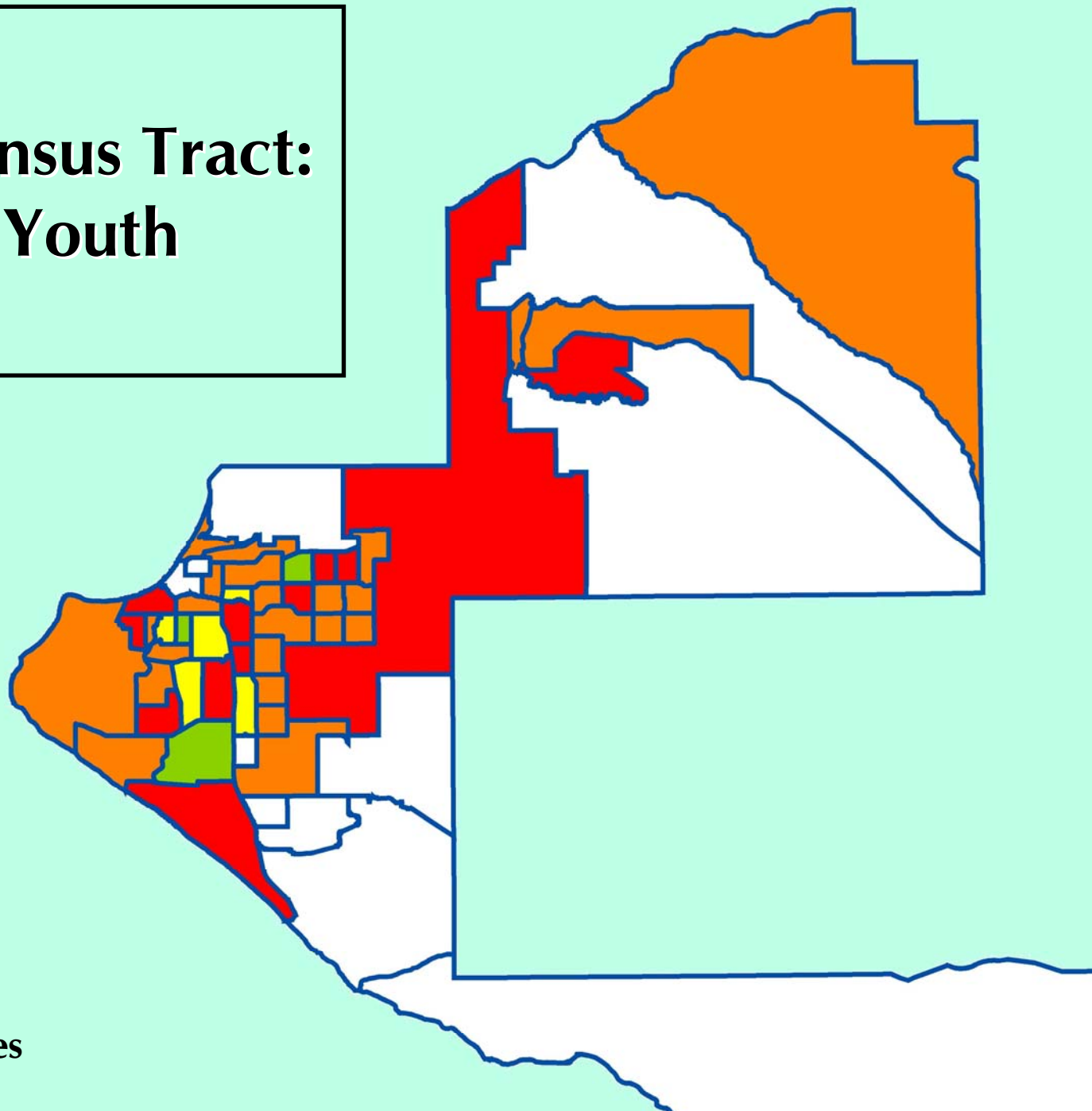
0 3 6 Miles

DMC by Census Tract: Pacific Youth

Relative Rate Index

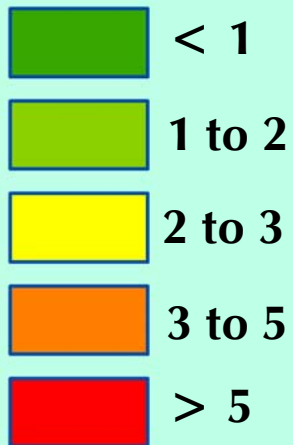


0 3 6 Miles

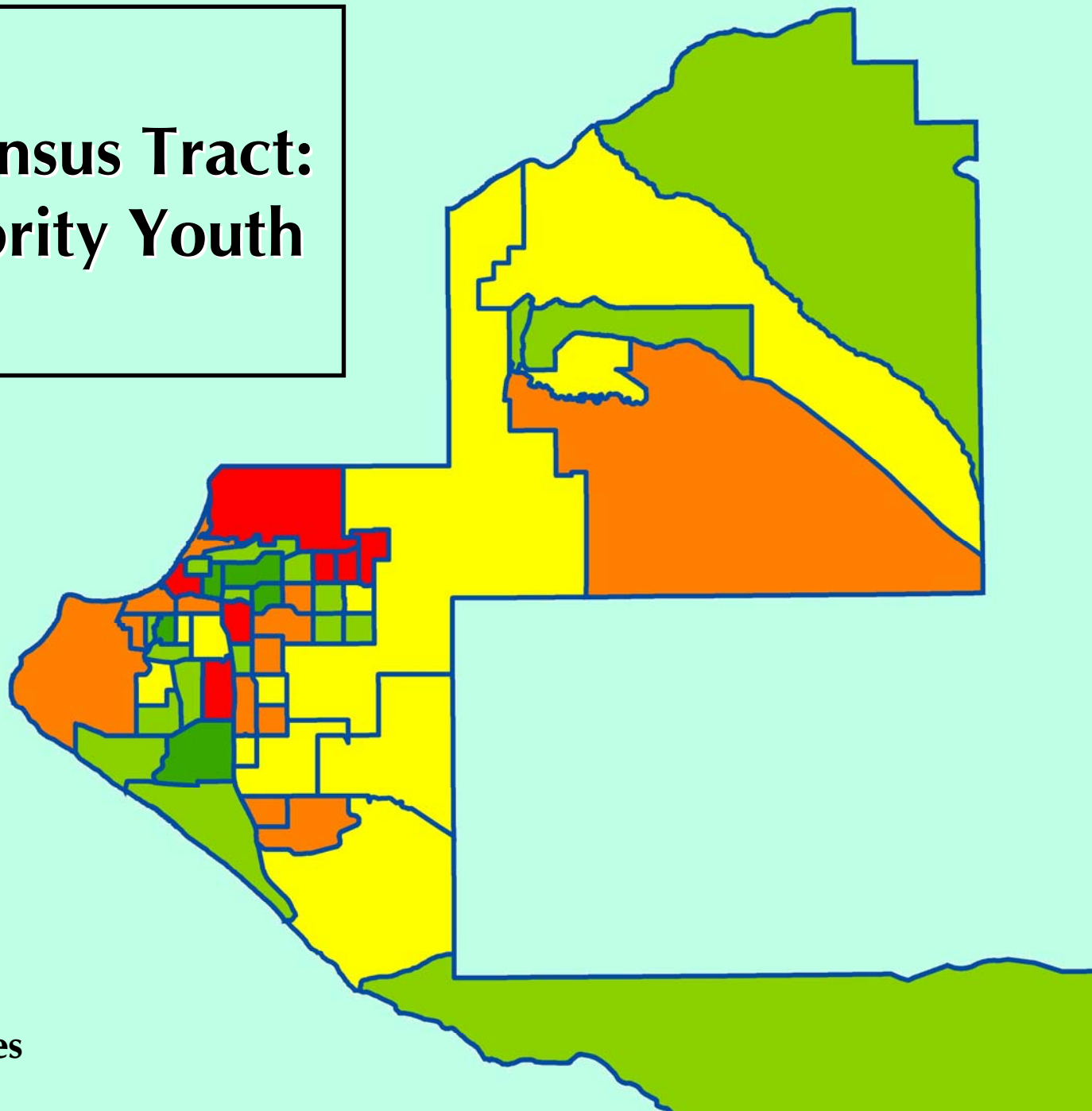


DMC by Census Tract: Other Minority Youth

Relative Rate Index

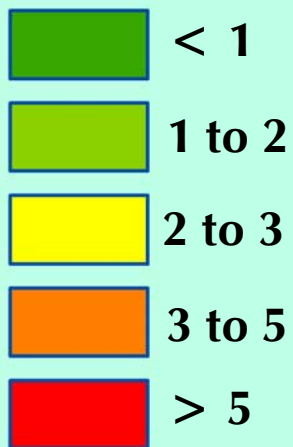


0 3 6 Miles

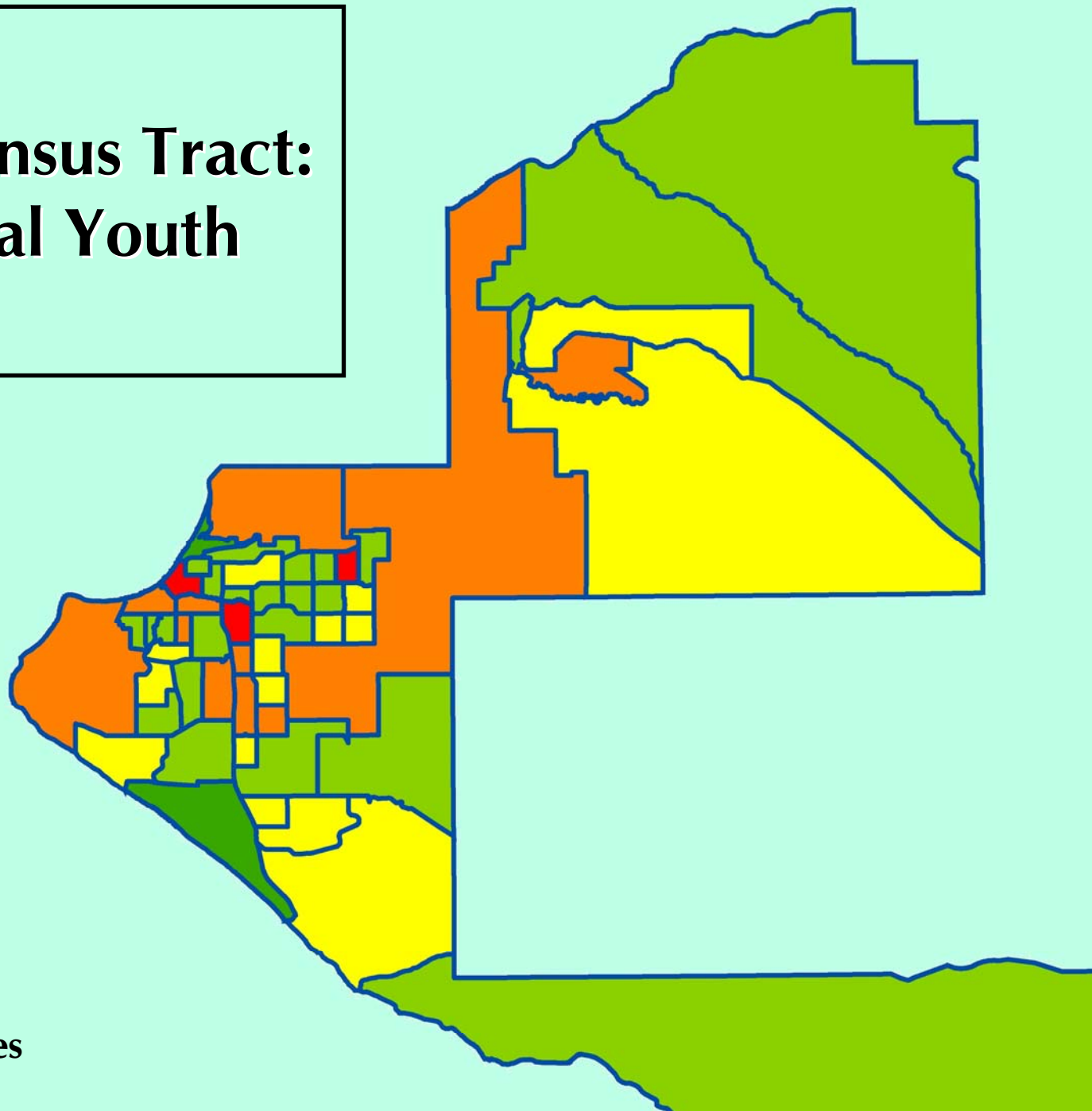


DMC by Census Tract: Multiracial Youth

Relative Rate Index



0 3 6 Miles



RELATIVE RATE INDICES BY TRACT

Race	Minimum	Maximum	Median
All minority	1.17	11.00	2.17
Black	0.67	9.93	3.18
Native	0.70	110.36	2.85
Asian	0.28	9.48	1.40
Pacific	1.33	13.21	3.93
Other minority	0.57	13.31	2.43
Multiracial	0.92	9.31	2.32



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RELATIVE RATE INDICES BY TRACT

Race	< 1		1 to 5		> 5	
All minority	0	(0%)	50	(91%)	5	(9%)
Black	1	(2%)	44	(85%)	7	(13%)
Native	2	(4%)	40	(73%)	13	(24%)
Asian	19	(35%)	31	(57%)	4	(7%)
Pacific	0	(0%)	32	(73%)	12	(27%)
Other minority	5	(9%)	43	(78%)	7	(13%)
Multiracial	2	(4%)	50	(91%)	3	(6%)



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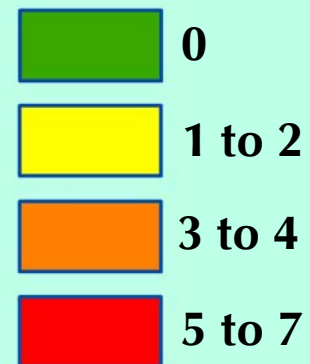
OUTLIERS

A census tract is an outlier when its relative rate index is substantially greater than the median relative rate index.

A search for census tracts that generate the highest levels of DMC.

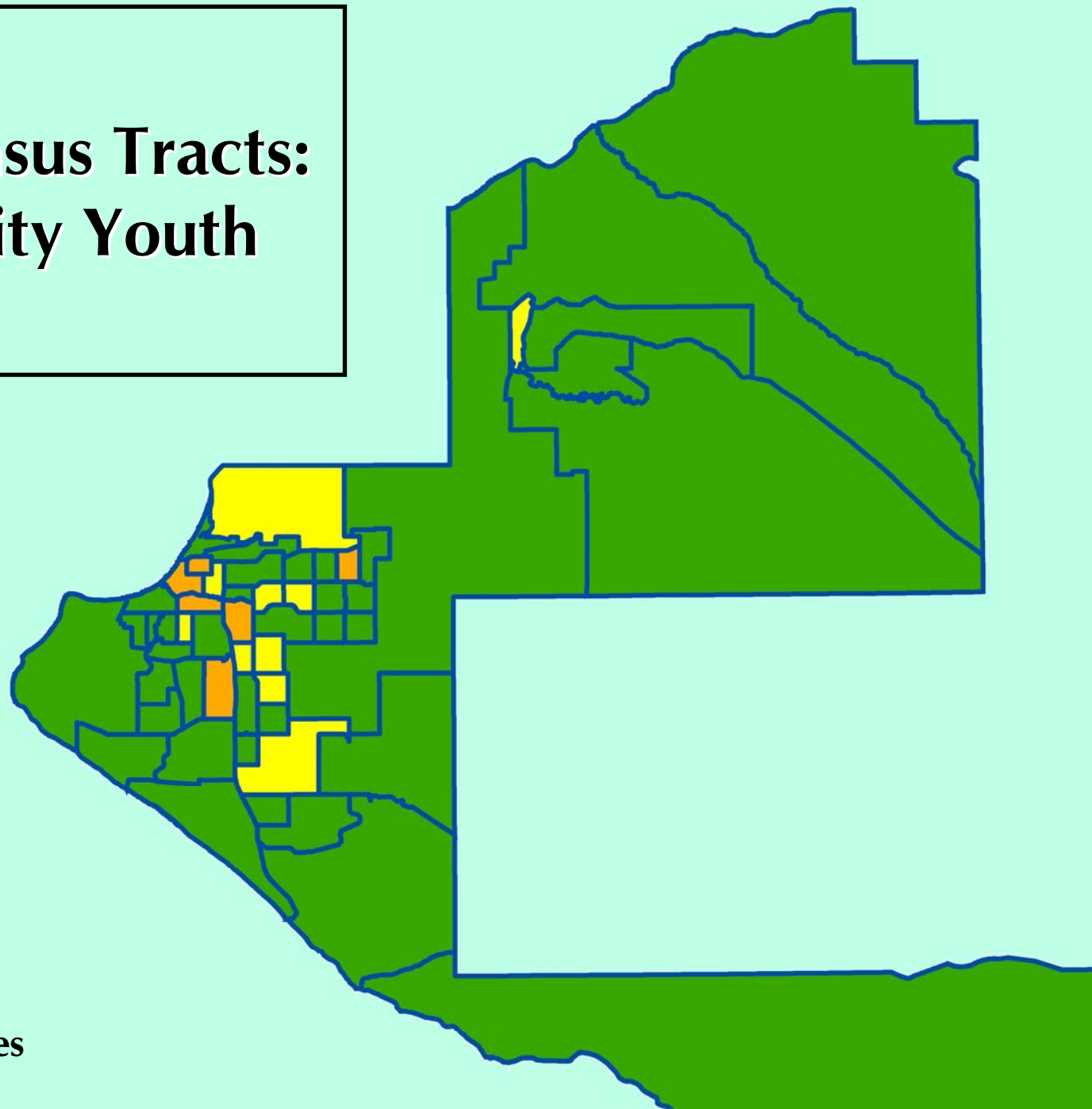
Outlier Census Tracts: All Minority Youth

of times
as outlier:



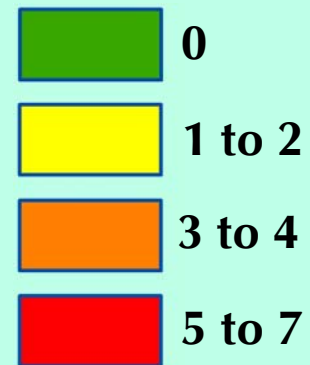
0 3 6 Miles

A scale bar with three segments, labeled '0', '3', and '6' miles.



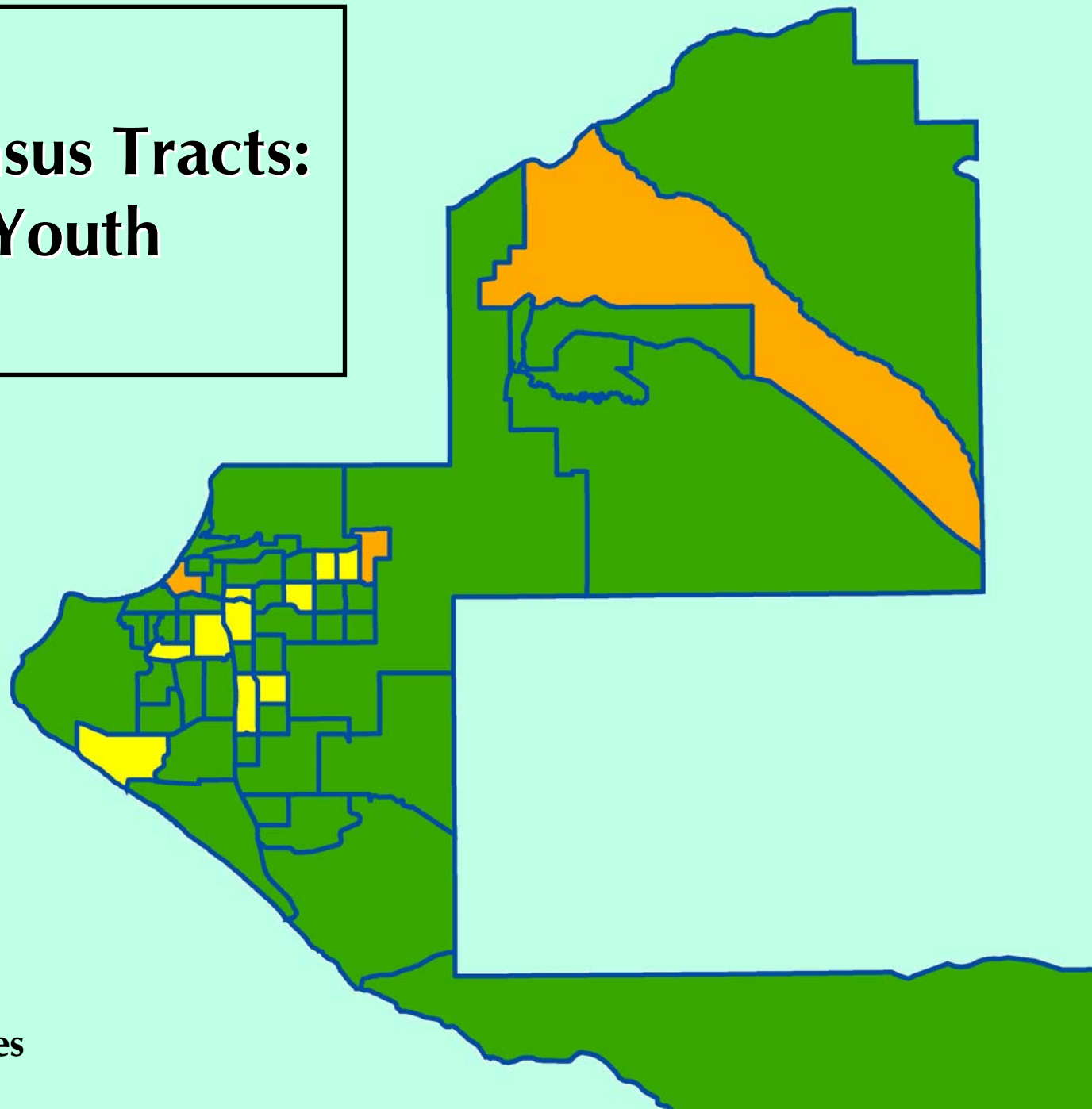
Outlier Census Tracts: Black Youth

of times
as outlier:



0 3 6 Miles

A scale bar with three segments. The first segment is labeled '0', the second '3', and the third '6'. The word 'Miles' is at the end of the bar.



Outlier Census Tracts: Native Youth

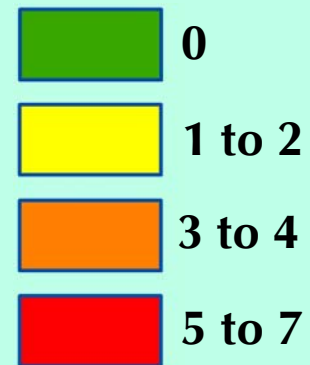
1500



A horizontal number line with three tick marks. The first tick mark is labeled '0', the second is labeled '3', and the third is labeled '6'. The line extends slightly beyond the '0' and '6' marks.

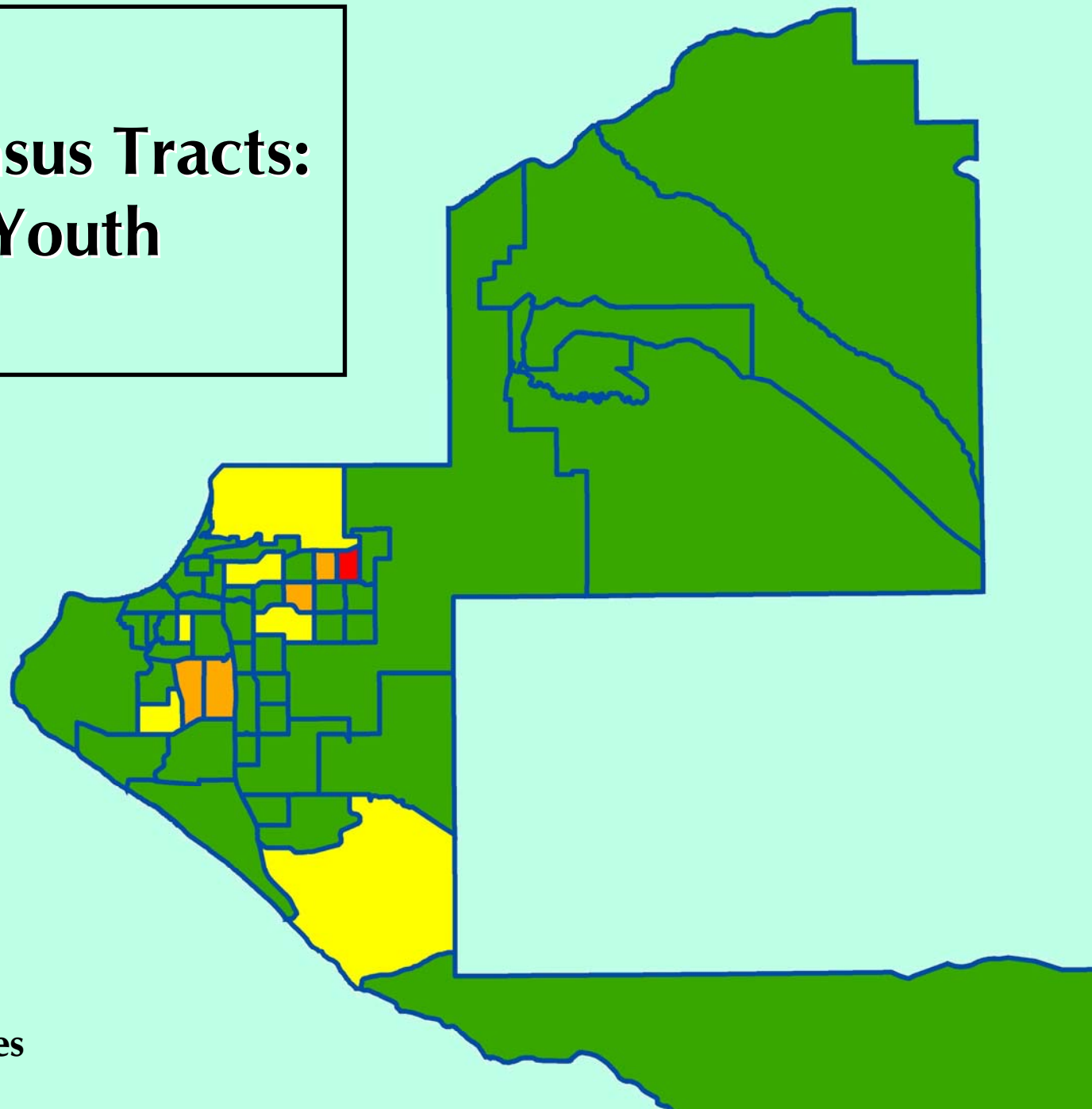
Outlier Census Tracts: Asian Youth

of times
as outlier:



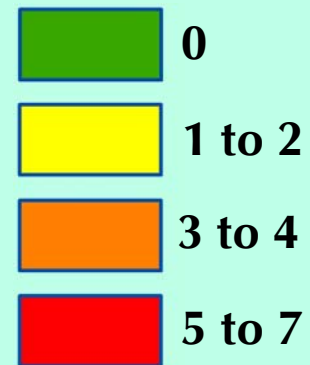
0 3 6 Miles

A scale bar with three segments. The first segment is labeled '0', the second '3', and the third '6'. The word 'Miles' is at the end of the bar.



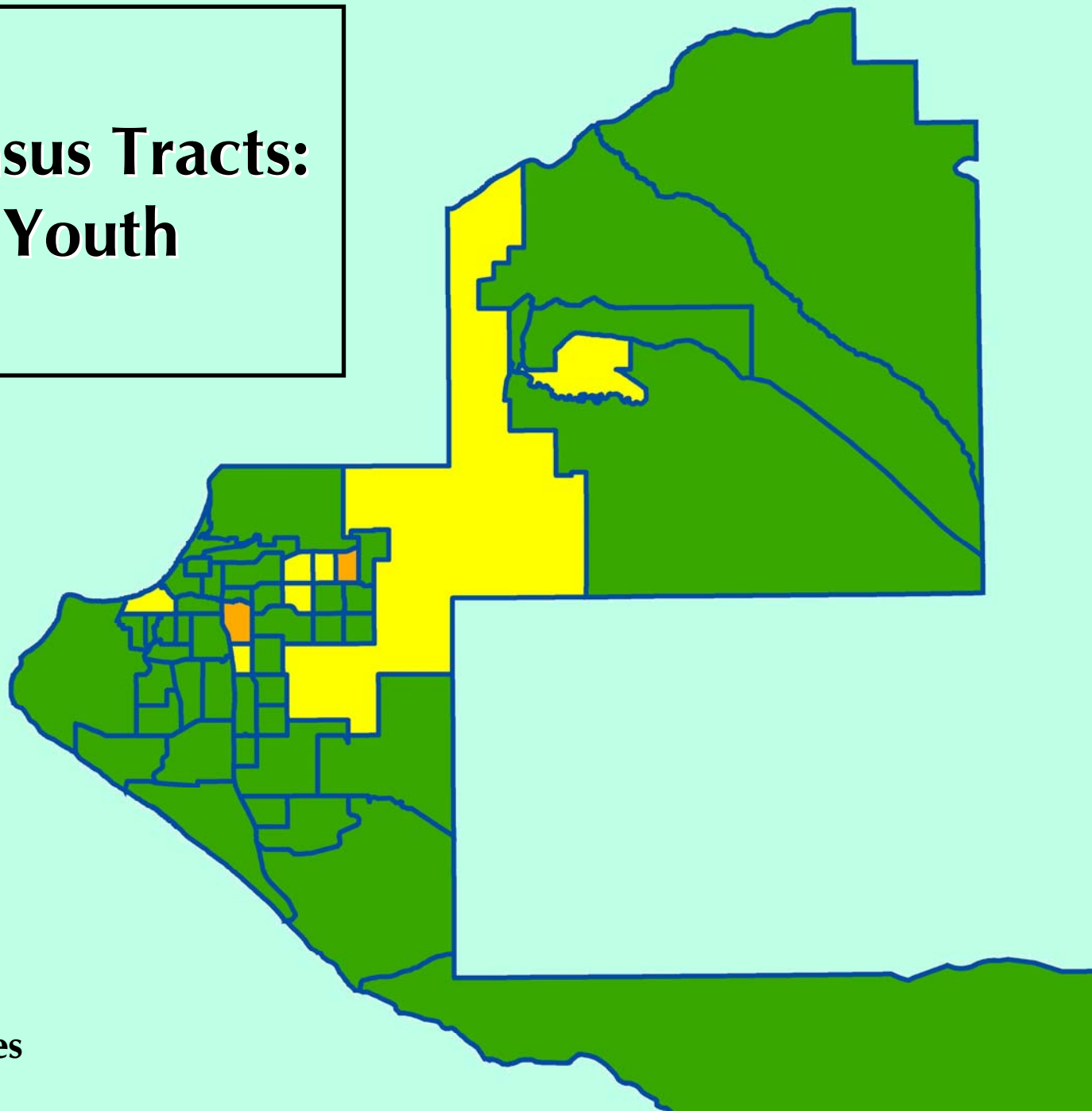
Outlier Census Tracts: Pacific Youth

of times
as outlier:



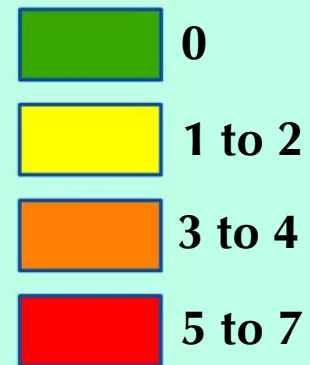
0 3 6 Miles

A scale bar with three segments. The first segment is labeled '0', the second '3', and the third '6'. The word 'Miles' is at the end of the bar.

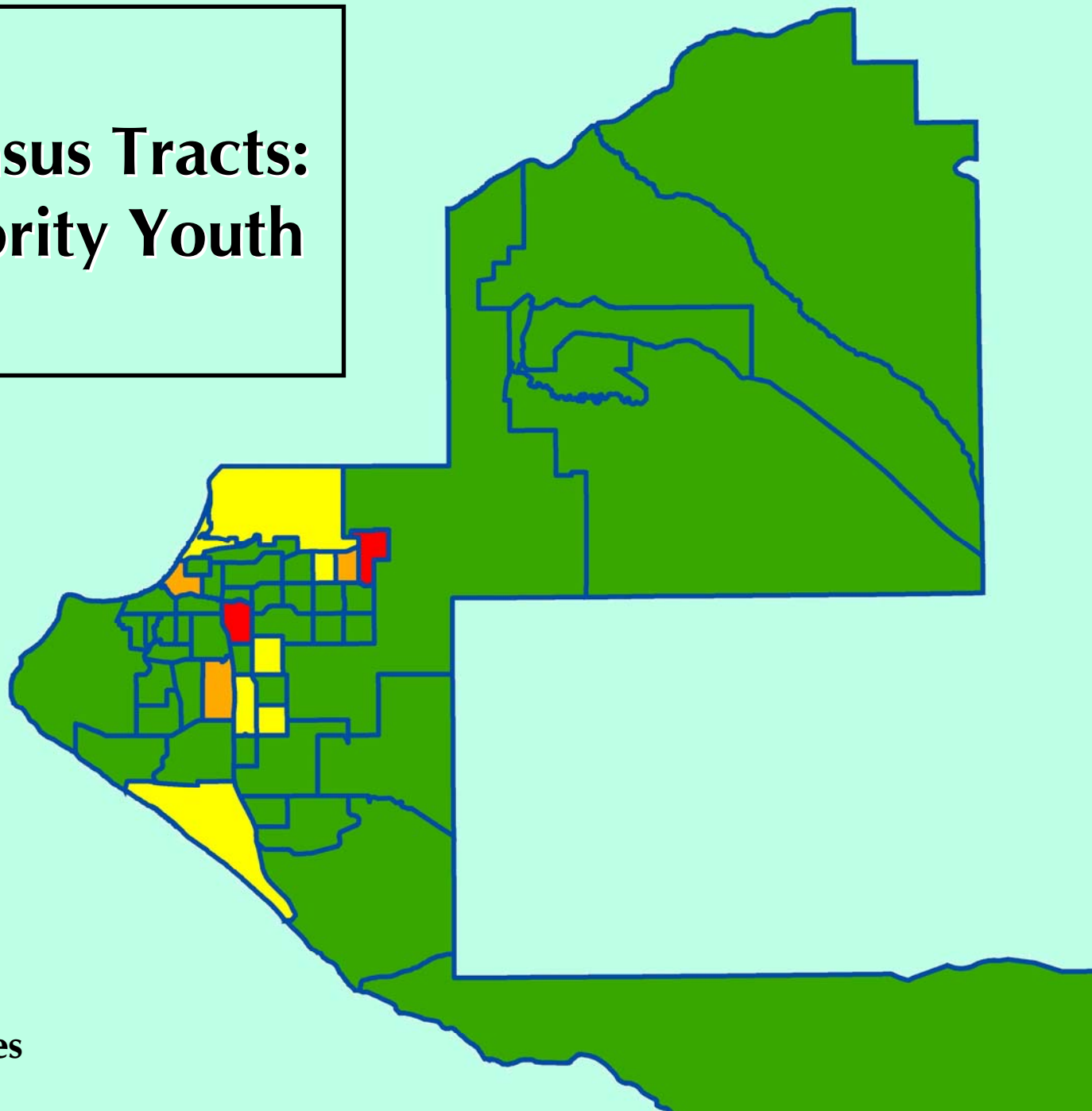


Outlier Census Tracts: Other Minority Youth

of times
as outlier:

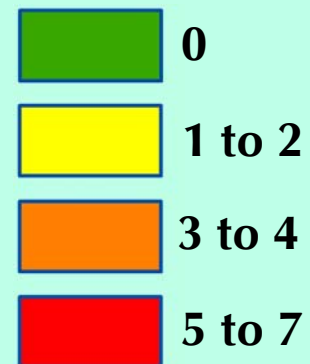


0 3 6 Miles



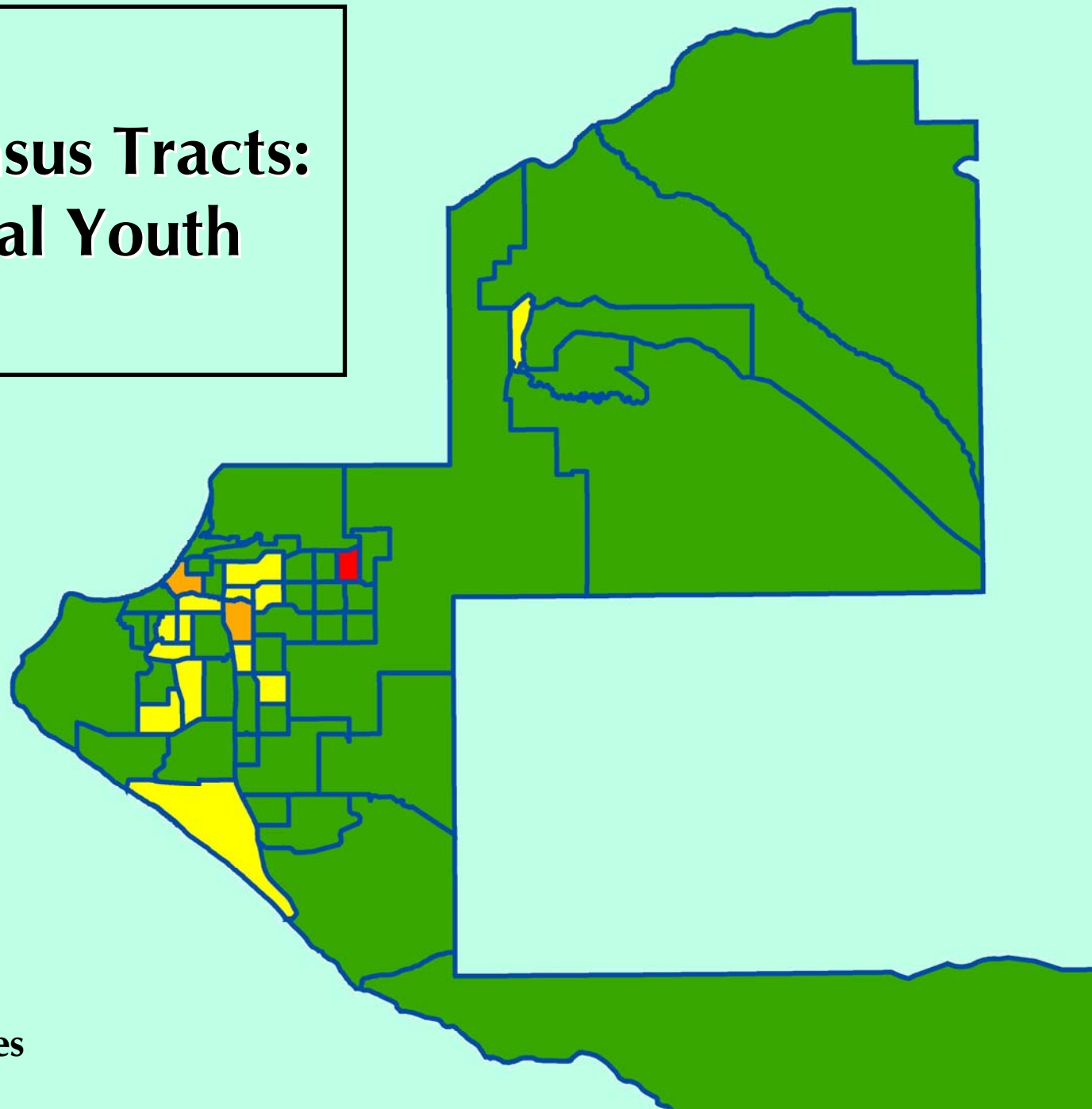
Outlier Census Tracts: Multiracial Youth

of times
as outlier:



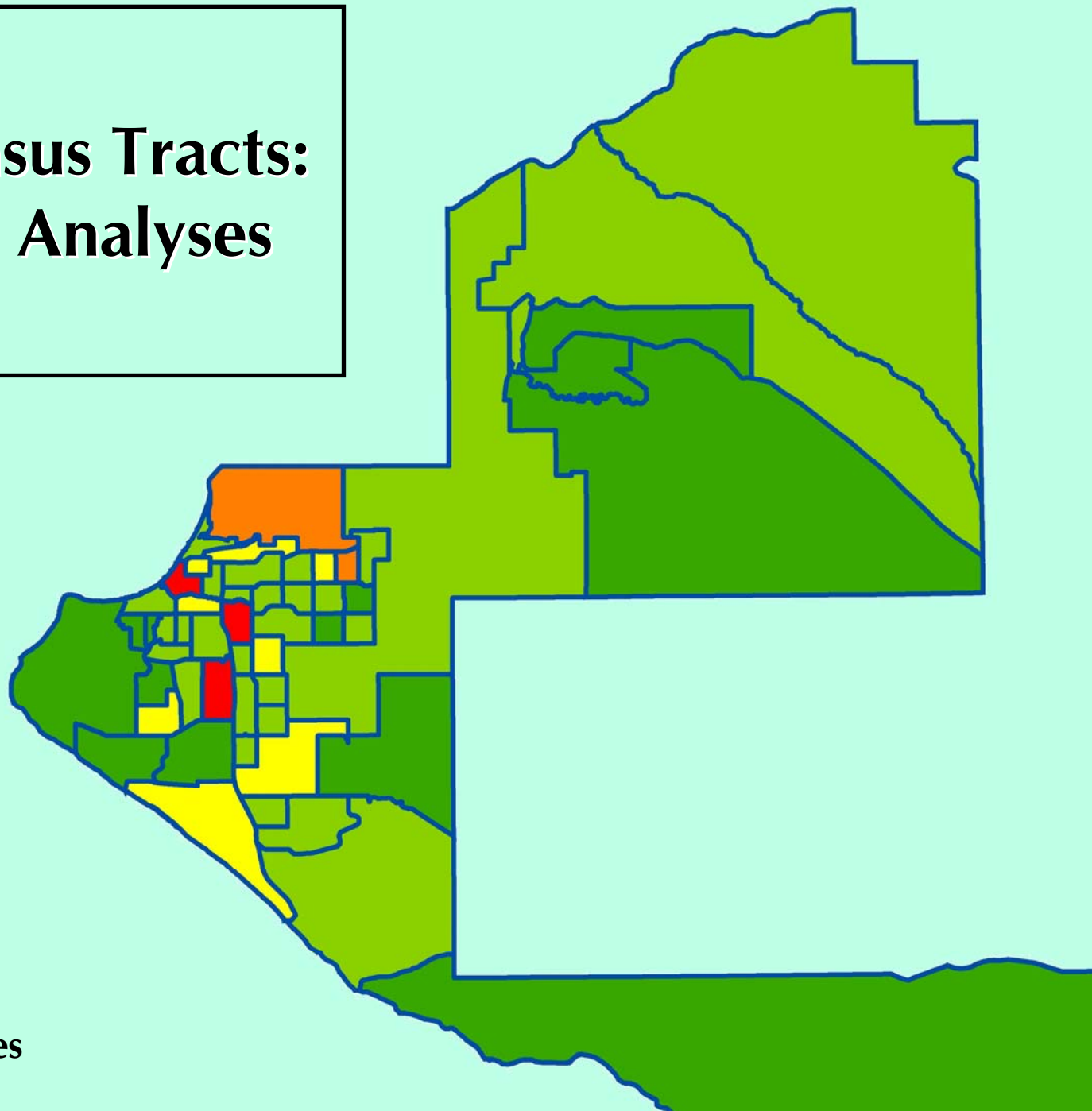
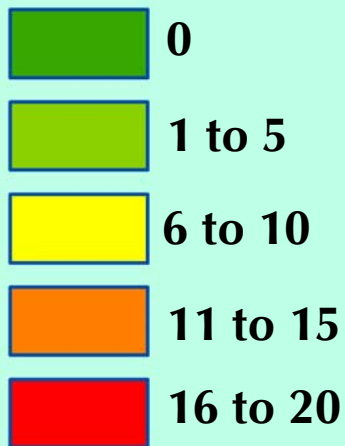
0 3 6 Miles

A scale bar with three segments, labeled '0', '3', and '6' miles.



Outlier Census Tracts: Sum of All Analyses

of times
as outlier:



0 3 6 Miles

CONCLUSIONS

- **Although DMC occurs for almost everyone...**
 - **Some census tracts have much higher DMC levels than others.**
 - **These census tracts are not clustered together, and vary by racial group.**